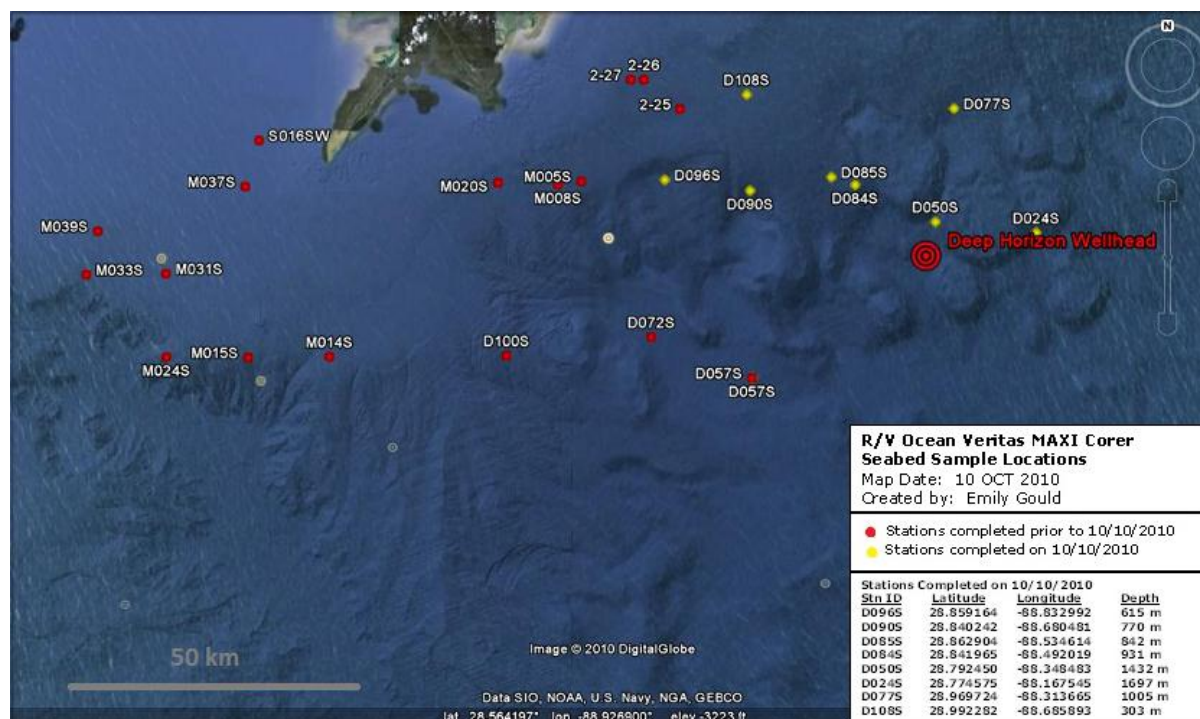


<i>Seabed Sampling and Baited Camera Operations</i>	
Vessel	R/V Ocean Veritas
Summary Report Number	10
Operating equipment	MAXI Corer (8 core unit)
Date	10 October 2010
Completed casts (12 hr)	08
Report compiled by	Emily Gould

Seabed Sampling Locations



All cores were processed and stored in accordance with SOPOV01. GC/MS and Microtox™ toxicology testing was planned to be conducted offshore, however outstanding supplies meant that this was not possible. Samples were prepared and stored for hydrocarbon, trace metal, BTEX, grainsize, total inorganic carbon, total organic carbon, meiofauna and macrofauna testing and analysis onshore. Collection of hydrocarbon archive samples (0-3cm) from VA cores was resumed.

The core tube is 60 cm in length with an internal diameter of 10 cm. Typical sample recovery from the core is as follows:

Supernatant water: length = 15 cm, volume = 1178 cm³

Sediment: length = 45 cm, volume = 3534 cm³

Station D096S

Lat: 28.859164

Long: -88.832992

Cores recovered: 6 of 8

Supernatant water

Recovery: 16 cm

Visible contamination: None

Olfactible contamination: None

Sediment

Recovery: 44 cm

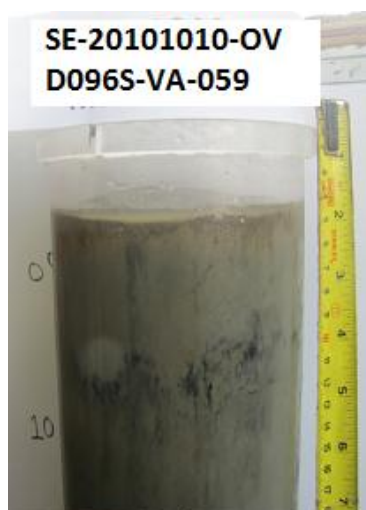
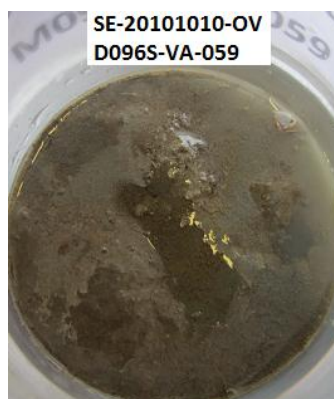
Visible contamination: None

Olfactible contamination: None

Description: Olive grey, very soft sediment approximately 8 cm depth, becoming black, soft, laminated silty clay, turning olive.

Biota: Polychaetes.

Top 3 cm removed for GC/MS analysis prior to core extrusion.



Station D090S

Lat: 28.840242

Long: -88.680481

Cores recovered: 8 of 8

Supernatant water

Recovery: 34 cm

Visible contamination: None

Olfactible contamination: None

Sediment

Recovery: 26 cm

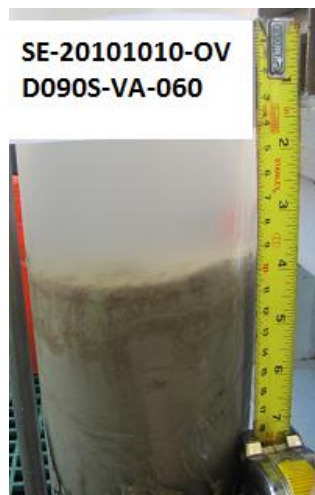
Visible contamination: None

Olfactible contamination: None

Description: Olive fluidized sediment to approximately 3 cm depth. Olive, very soft, homogenous silty clay, becoming soft.

Biota: Polychaetes.

Top 3 cm removed for GC/MS analysis prior to core extrusion.



Station D085S

Lat: 28.862904

Long: -88.534614

Cores recovered: 8 of 8

Supernatant water

Recovery: 20 cm

Visible contamination: None

Olfactible contamination: None

Sediment

Recovery: 40 cm

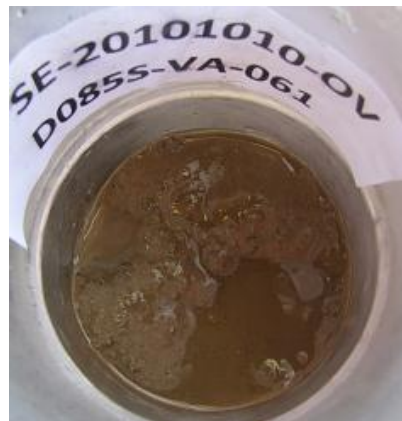
Visible contamination: None

Olfactible contamination: None

Description: Olive fluidized sediment to approximately 3 mm depth. Olive, very soft, homogenous silty clay.

Biota: Polychaetes.

Top 3 cm removed for GC/MS analysis prior to core extrusion.



Station D084S

Lat: 28.841965

Long: -88.492019

Cores recovered: 7 of 7

Supernatant water

Recovery: 20 cm

Visible contamination: None

Olfactible contamination: None

Sediment

Recovery: 40 cm

Visible contamination: None

Olfactible contamination: None

Description: Olive, soft, homogenous silty clay with foraminifera layer beginning at 20cm and extending.

Biota: Foraminifera.

Top 3 cm removed for GC/MS analysis prior to core extrusion.



Station D050S

Lat: 28.792450

Long: -88.348483

Cores recovered: 8 of 8

Supernatant water

Recovery: 20.5 cm

Visible contamination: None

Olfactible contamination: None

Sediment

Recovery: 39.5 cm

Visible contamination: None

Olfactible contamination: None

Description: Olive fluidized sediment to approximately 2cm depth. Olive grey, very soft, homogenous silty clay, becoming soft with firm layer ~10-20cm.

Biota: Seastar, fish scales.

Top 3 cm removed for GC/MS analysis prior to core extrusion.



Station D024S

Lat: 28.774575

Long: -88.167545

Cores recovered: 8 of 8

Supernatant water

Recovery: 20.5 cm

Visible contamination: None

Olfactible contamination: None

Sediment

Recovery: 39.5 cm

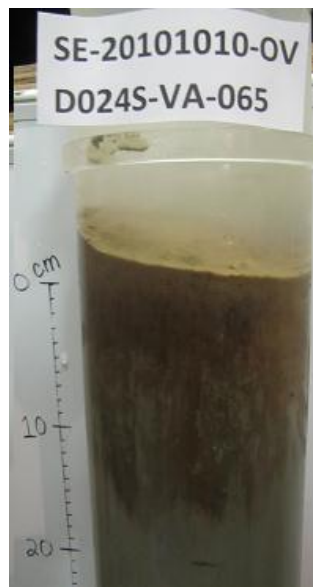
Visible contamination: None

Olfactible contamination: None

Description: Olive fluidized sediment to approximately 2cm depth. Olive grey, firm, homogenous silty clay.

Biota: Polychaetes.

Top 3 cm removed for GC/MS analysis prior to core extrusion.



Station D077S

Lat: 28.969724

Long: -88.313665

Cores recovered: 8 of 8

Supernatant water

Recovery: 37 cm

Visible contamination: None

Olfactible contamination: None

Sediment

Recovery: 23 cm

Visible contamination: None

Olfactible contamination: None

Description: Olive fluidized sediment to approximately 1 cm depth. Olive grey, stiff, homogenous silty clay.

Biota: Worms.

Top 3 cm removed for GC/MS analysis prior to core extrusion.



Station D108S

Lat: 28.992282

Long: -88.685893

Cores recovered: 8 of 8

Supernatant water

Recovery: 19 cm

Visible contamination: Yes, sheen on surface.

Olfactible contamination: None

Sediment

Recovery: 41 cm

Visible contamination: None

Olfactible contamination: None

Description: Olive fluidized sediment to approximately 1 cm depth. Olive grey, soft, homogenous silty clay, becoming firm.

Biota: Worms.

Top 3 cm removed for GC/MS analysis prior to core extrusion.

